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PATENT

PATENT APPLN. NO. 10/743,747
SUBMISSION UNDER 37 C.F.R. § 1.114

IN THE CLAIMS:

1. (currently amended) A dialyzer comprising a substantially cylindrical case having a length M, a hollow fiber bundle made of a plurality of hollow fiber membranes provided in the case, a gap formed between an inner wall of the case and the hollow fiber bundle, a blood flow path formed by lumens of the hollow fiber membranes, a dialysate flow path formed by the gap between the inner wall of the case and the hollow fiber membranes and gaps between the hollow fiber membranes, and a cylindrical elastic tube having a length L inserted in the gap between the inner wall of the case and the hollow fiber bundle and substantially contacting the inner wall of the case, and

wherein L is less than M;

a lubricant is provided between an outer surface of the elastic tube and the inner wall of the case;

a rib is formed on an outer circumferential surface of the elastic tube;

a concave portion for receiving the rib and fixing the elastic tube is formed on an inner wall of the case;

the rib is fitted into the concave portion so that the elastic tube is securely fixed in the case; and

the elastic tube is water-tightly contacted with the inner wall of the case by the elastic force of the tube, thereby securely fixing the elastic tube in the case.

2 - 4. (canceled)

5. (original) A dialyzer according to claim 1, wherein the cylindrical elastic tube comprises a plurality of elastic tubes.

6 - 16. (canceled)

17. (new) A dialyzer according to claim 1, wherein L is 5% to 90% of M.

18. (new) A dialyzer according to claim 1, wherein L is 10% to 80% of M.

19. (new) A dialyzer according to claim 1, wherein L is 20% to 60% of M.

20. (new) A dialyzer according to claim 5, wherein L is 5% to 90% of M.

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21. (new) A dialyzer according to claim 5, wherein L is
10% to 80% of M.

22. (new) A dialyzer according to claim 5, wherein L is
20% to 60% of M.